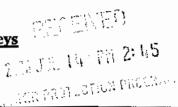
Use Attainability Analysis

for

WBID 682 East Fork of the Chariton River

Submitted by Tetra Tech. Inc.

To Missouri Department of Natural Resources Water Protection Program



Data Sheet A - Water Body Identification

Water Body Name: (from USGS 7.5' quad)	East Fork Chariton River	
8-digit HUC:	10280203	
Missouri WBID #:	0682	
County:	Macon and Randolph	
Upstream Legal Descripe	tion:	
Downstream Legal Desc	ription:	
Upstream Coordinates: (UGS 84, ddd.ddddd)	39.74930; 92.51833	
Downstream Coordinate (UGS 84, ddd.ddddd)		
Discharger Facility Nam	es: Marsh Lagoon Group	
Discharger Permit Numb	ber(s):	<u></u>
Number of Sites Evaluat	ted: 6	
Name of Surveyor and T	Telephone Number: DB, CG, 410-356-8993	
Organization: Te-	tra Tech INC. Baltimore, Md	
Position: Sciev	ntists.	

I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate.

	1 / July -	7/5/05	
Signed:		Date:	

New Cambria Callao Bevier h Lagoon Group Wien_ agonda Excello Kaseyville Bynumville Site 26 Jacksonville Chariton Rive Thomas Hill Prairie Hill Clifton, USite 260 Huntsville Salisbury Mt Airy Shannondale Renick Forest Green Roanoke Higbee HILLINGHI FARTALINA Scale 1 : 230,000 1" = 3.63 mi DELORME * MN © 2002 DeLorme. Topo USA ®. Data copyright of content owner. www.delorme.com mi km 2.0°E

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

	Missouri WBID #: 06	82 (site ID-	259)	Site Location Description: HWY 5 at- road/bridge Crossing				
	Site GPS Coordinates: 70	133911.929	34935	road/bridge crossing.				
	Date & Time: 04 \ullet	2005; 2:42	þím	Facility Name: Marsh Lagoon Group				
	Personnel: DB (G			Permit Number:	· · · · · · ·			
	Current Weather Conditio	ns: Partly Cloud	Vk	Weather Condition	ons for Past 7 days: Hot, hi	imid ary rainy.		
	Photo Ids: Upstream: 2		tream: 2(798 Other:	2099			
Ųs,	ses Observed*:							
	☐ Swimming	☐ Skin diving	□ sct	JBA diving	☐ Tubing	☐ Water skiing		
	☐ Wind surfing	☐ Kayaking	☐ Boa	ting	□ Wading	☐ Rafting		
	☐ Hunting	☐ Trapping	☐ Fish		None of the above	☐ Other:		
Su	Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.) Conditions							
	☐ City/county parks	☐ Playgrounds [MDC cor	nservation lands	☐ Urban areas	☐ Campgrounds		
	☐ Boating accesses	☐ State parks [☐ National	forests	☐ Nature trails	☐ Stairs/walkway		
	☐ No trespass sign	☐ Fence [☐ Steep slop	pes	☐ Other:	<u> </u>		
Ev	idence of Human Us	e*:				٠.		
	Roads	☐ Foot paths/prints	. 🗆 D	ock/platform	☐ Livestock Watering	☐ RV / ATV Tracks		
	☐ Rope swings	☐ Camping Sites	□F	ire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle		
	Other: 970.554	area next	to stri	am with	tire tracks.	2099		
	. , — —							

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 0682 : (514 II) - 259) Stream Morphology: **Upstream View Physical Dimensions:** Width (ft): ☐ Riffle Length (ft): Avg. Depth (ft): Max. Depth (ft): Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): □ Run 7.0m 2m☑ Pool Width (ft): 20m Length (ft): Avg. Depth (ft): Max. Depth (ft): Estimated (ft³/sec): Ø**₹**Flow wnds Present? □ No Downstream View Physical Dimensions: Length (ft): Width (ft); ☐ Riffle Avg. Depth (ft): Max. Depth (ft): 🗆 Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): I2OOT Width (M): 20m Avg. Depth (ft): Length (ft): Max. Depth (ft): Estimated (ft³/sec): [Flow Present? Yes □ No Substrate*: (These values should add up to 100%.) % Cobble % Gravel % Sand 日)% Mud/Clay % Silt % Bedrock რბ Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site) Water Characteristics*: (Mark all that apply.) Odor: None □ Sewage □ Chemical ☐ Other: ☐ Musky Color: ☐ Clear ☐ Green ☐ Grav □ Milkv ☑ Other: Bottom Deposit: ☐ Sludge □ Solids Fine sediments ☐ None Other: Surface Deposit: Oil □ Foam □ Scum ☑ None ☐ Other: Comments: Please attach additional comments (including information from interviews) to this form. *This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. Signed:

QC Checks CG

Organization:

0682_259_US







additional photos not included in this document

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

	Missouri WBID#: 069	32 (site ID	-26	Site Location Des	scription: HWY 24	at bridge			
	Site GPS Coordinates: 24	143367,92	6337	29	crossing	·			
	Date & Time: 04 July				Facility Name: Marsh Lagoon group				
	Personnel: DB CG	,	_	Permit Number:		<u> </u>			
	Current Weather Condition	ns: Cloudu: co	mfor	TapoWeather Condition	ons for Past 7 days: Hot W	umid, rainy			
-	Photo Ids: Upstream: 2	100 Down	stream:	2101 Other	2102				
Us	Jses Observed*: memory card A								
	☐ Swimming	☐ Skin diving	□	SCUBA diving	☐ Tubing	☐ Water skiing			
	☐ Wind surfing	☐ Kayaking	_ c	Boating	☐ Wading	☐ Rafting			
	☐ Hunting	☐ Trapping		Fishing	None of the above	☐ Other:			
	Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.) N								
	☐ City/county parks	☐ Playgrounds		OC conservation lands	☐ Urban areas	☐ Campgrounds			
	☐ Boating accesses	☐ State parks	☐ Nat	tional forests	☐ Nature trails	☐ Stairs/walkway			
	☐ No trespass sign	☐ Fence	☐ Stee	ep slopes	Other:				
E۱	idence of Human Us	e*;			<u> </u>	· · · · · · · · · · · · · · · · · · ·			
	Roads	☐ Foot paths/print	ts	☐ Dock/platform	☐ Livestock Watering	☐ RV / ATV Tracks			
	Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle			
	Other: Dict roc	ad adjacer	<u>1</u>	o stream, pos	isibly for fishin	ng access. 2102			
	te Locations Map(s):	- ·		_	nent sites clearly labele	d. Mark any			

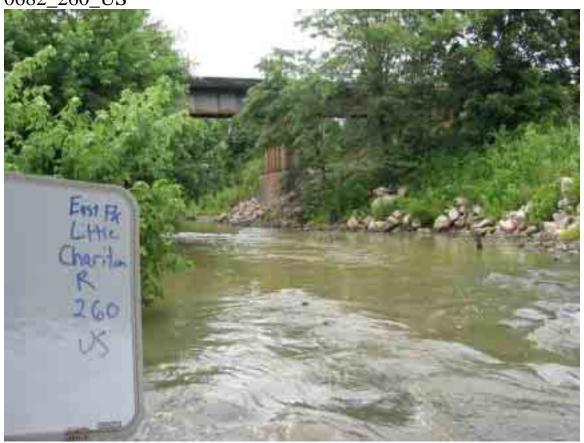
other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # 0682 : (SHE ID - 260)

□ Run Pool Flow Downstrea	Width (ft): Width (ft): Width (ft): Present?	:	Length (ft):	Avg. Depth	(n):	Max. Depth (ft):	
Pool Flow Downstrea	Width (ft)		Length (ft):		48.5		-
Downstrea		14		Avg. Depth	· · · · · · · · · · · · · · · · · · ·	Max. Depth (ft):	.1
Downstrea	Present?	18 m	Length (ft):	Avg. Depth		Max. Depth (ft):	<u>.4m</u>
•		X Yes	□ No	Estimated (it³/sec): 5ℓ	wond/meter	<u>.</u> .
•	m View	Physical 1	Dimensions:				
	Width (ft)		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
□ Run	Width (ft)	:	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
⊠ Pool	Width (f)	20m	Length (ft): 2	Om Avg. Depth	96: 1.2m	Max. Depth (ft):	4m
⊠ Flow	Present?	√ Yes	□ No	Estimated (1	ft³/sec): } 4/	wond/meter	
quatic Vege	tation*:	(note amou	nt of vegetation or	algal growth at the ass	essment site)		
ater Chara		S*: (Mark	all that apply.)	☐ Chemical	None	☐ Other:	
Color:		Clear	☐ Green	☐ Gray	☐ Milky	Other: brown	
Bottom Dep		Sludge	☐ Solids	Fine sediments	□ None	☐ Other:	,
Surface Dep		oil	□ Scum	□ Foam	DKNone	☐ Other:	
his information in the relation on the return the undersi	on is not to inderstand ecreation igned, h	be used sol ling of water use analysis ereby affi	ely for removal of conditions. Conse but may point to c	a recreational use design equently, this information onditions that need furth	nation but rather i on is not intended her analysis or tha	to directly influence a	is UAA
tasheet is t	rue and	accurate					
gned:	4		and the same of th	Date:Positio	11110		
			Ď				

0682_260_US



0682_260_DS



additional photos not included in this document

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

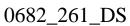
_					·				
	Missouri WBID#: 06	82 (SIte)	D-26	Site Location De	Site Location Description: Jack pot street at				
L	Site GPS Coordinates 29	62279,92	51982		bridge crossing				
	Date & Time: 05 U	4 2005, 10	:37an	Facility Name:	Facility Name: Marsh Lagoon aroup				
. [Personnel: DB. (6)	, , , , , , , , , , , , , , , , , , , 		Permit Number:		<u> </u>			
	Current Weather Condition	ns: Clear, Su	กทุง	Weather Condition	ons for Past 7 days: Hot	iumid dry vainy			
	Photo Ids: Upstream: 2136 Downstream: 2137 Other: 2138								
Use	ses Observed*: memory card A								
	☐ Swimming	☐ Skin diving	□s	CUBA diving	⊓ Tubing	☐ Water skiing			
	☐ Wind surfing	☐ Kayaking		Boating	□ Wading	☐ Rafting			
	☐ Hunting	☐ Trapping	□F	ishing	None of the above	Other:			
	Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)								
	N/A								
	,								
			•			•			
•									
Su	rrounding Condition	s*: (Mark all that pr	omote or	impede recreational u	ses. Attach photos of evider	ice or unusual			
ten	ns of interest.)			<u></u>	1				
	☐ City/county parks	☐ Playgrounds	☐ MDC	conservation lands	☐ Urban areas	☐ Campgrounds			
ĺ	☐ Boating accesses	☐ State parks	☐ Nation	nal forests	☐ Nature trails	☐ Stairs/walkway			
	☐ No trespass sign	☐ Fence	Steep:	slopes 2138	☐ Other:				
TZ	!daman		•	overgrows	banks	**			
E۷	idence of Human Use	e *:			T	1			
	Roads	☐ Foot paths/prin	ts 🗀	Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks			
	☐ Rope swings	☐ Camping Sites		Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle			
	Other:								

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

		•	12: (31tc]		
eam Morpholog Jpstream View 1	•	ensions:		. <u>.</u>	·
☐ Riffle Width	(ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):
Run Width	(ft): 12m	Length (ft):	Avg. Depth	(ft): 0.7-	Max. Depth (ft): 0.9
Pool Width	C6	-65 Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):
Flow Present	1? X Yes	□ No	Estimated (f	1 ³ /sec): ///	eter/swand
Downstream Vie	ew Physical I	Dimensions:	* 100		
☐ Riffle Width		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):
Run Width	(ft): 12m	Length (ft):	Avg. Depth	(ft): 0.7	Max. Depth (ft): 0.9
Pool Width	(ft): 12cm	-p5 Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):
Flow Present	t? 1X Yes	□ No	Estimated (f	t³/sec): \ \ \/\^	reter/second
N/K			algal growth at the asse	essment site)	
ter Characteris Odor:	Stics*: (Mark a	□ Musky	☐ Chemical	None	☐ Other:
			☐ Chemical	None Milky	Other: Drown
Odor: Color:	□ Sewage	☐ Musky			- 7
	ያ የነ ውሮች፣ /እና _{ተቀ} ራ «				
Odor: Color: Bottom Deposit: Surface Deposit: mments: Please is information is no	☐ Sewage ☐ Clear ☐ Sludge ☐ Oil attach addition to be used sold anding of water	☐ Musky ☐ Green ☐ Solids ☐ Scum onal comments ely for removal of conditions. Cons	☐ Gray ☐ Fine sediments ☐ Foam (including informate a recreational use designequently, this information	☐ Milky ☐ None ☐ None ☐ None ion from intervation but rather is not intended	Other: Drown Other: Other: riews) to this form. s to provide a more to directly influence a
Odor: Color: Bottom Deposit: Surface Deposit: mments: Please is information is no aprehensive underst ision on the recreati	☐ Sewage ☐ Clear ☐ Sludge ☐ Oil ☐ attach addition to be used sold anding of water on use analysis ☐, hereby affi	☐ Musky ☐ Green ☐ Solids ☐ Scum onal comments ely for removal of conditions. Consider the conditions of the best	Gray Fine sediments Foam (including information a recreational use design equently, this information onditions that need further of my knowledge, to	☐ Milky ☐ None ☐ None ☐ None ion from intervation but rather is not intended her analysis or that hat all inform	Other: Drown Other: Other: riews) to this form. s to provide a more to directly influence a







additional photos not included in this document

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

[Missouri WBID #: ()(0	62)	Site Location Description:					
ı	Site GPS Coordinates: 24	7 111	2.50		JetRd at bridge crossing			
Ī	Date & Time: 05 Jul	u 2005; III	380		Facility Name: Marsh Lagoon Group			
[Personnel: DB, CG) 		-	Permit Nur	nber:	· J · · ·	
	Current Weather Condition	ns: Sunny,	clea	~	Weather C	onditio	ons for Past 7 days: Hot, h	umid, dry, rainv
	Photo Ids: Upstream: 7	um: 21	45	Other		· '		
Us	Jses Observed*: memory card A							
ļ	☐ Swimming ☐ Skin diving ☐ SC				JBA diving		☐ Tubing	☐ Water skiing
	☐ Wind surfing	☐ Kayaking		□ Boa	ting		☐ Wading	☐ Rafting
	☐ Hunting	☐ Trapping		□ Fish			None of the above	☐ Other:
Su	urrounding Conditions*: (Mark all that promote or impede recreational uses. Attach photos of evidence or unusual							
	☐ City/county parks	☐ Playgrounds		/IDC con	servation lan	ıds	☐ Urban areas	☐ Campgrounds
	☐ Boating accesses	☐ State parks		lational 1	forests		☐ Nature trails	☐ Stairs/walkway
	☐ No trespass sign	☐ Fence	□s	teep slop	xes		Other:	· _ ·
Ev	idence of Human Use	e *:						
	Roads	☐ Foot paths/pa	ints	□ D ₀	ock/platform		☐ Livestock Watering	□ RV / ATV Tracks
	☐ Rope swings	☐ Camping Sit	es	□ Fi	re pit/ring		☐ NPDES Discharge	☐ Fishing Tackle
	Other:							

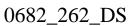
Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two - Data Sheet B for WBID # 0682 : (Site ID - 262)

Stream Morj <u>Ups</u> tream			nensions:				
□ Riffle	Width (ft		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
☐ Run	Width (fi):	Length (ft):	Avg. Depth	(ft);	Max. Depth (ft):	
⊠ Pool	Width (f	6: 10m	Length (ff): 2	Own Avg. Depth	(#): 0.8 m	Max. Depth (ft):	1.0m
Flow	Present?		□ No	Estimated (f	1 ³ /sec): \ 5l	wnd/mete	<u>v_</u>
Downstre	am Viev	v Physical	Dimensions:			'	
☐ Riffle	Width (f		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
☐ Run	Width (f	t):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Ş(Pool	Width (f	12m	Length (M): 2	DW Avg. Depth	(m): 0.9m	Max. Depth (ft):	1.2m
⊅ Flow	Present?		□ No	Estimated (f	1³/sec): 35	ewnds/met	er
Substrate*	(These v	almen abould	add up to 100%.)				
	% Cobble		Gravel 20	% Sand 6	9% Silt 1	0 % Mud/Clay	% Bedrock
A amodia Was		•. <i>•</i>					-
Aquane ver			unt of vegetation or	algal growth at the asse	essment site)		
	NA	-					
<u> </u>						<u></u>	
Water Char	racterist	ics*: (Mark	all that apply.)				
Odor:		□ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:		☐ Clear	☐ Green	☐ Gray	□ Milky	M Other: DYOV	M
Bottom De	eposit:	☐ Sludge	□ Solids	Fine sediments	□ None	☐ Other:	
Surface D	eposit:	□ Oil	☐ Scum	□ Foam	None	Other:	
*This informat	tion is not understar	to be used so ading of wate	lely for removal of a	(including informate recreational use design equently, this informational that need furth	nation but rather on is not intended	is to provide a more I to directly influence a	
		•			-		
datasheet is				of my knowledge, t	hat all inforn	nation reported of	i this UAA
			11	_	7/5/0	ب	
Signed:				Date:	7/3/	<u>/</u>	
Organization	n: 1	Matu	ch, INC	Positio	7/5/0. n: <u>5cier</u>	vtist	
				QC Check	(8 CG		







additional photos not included in this document

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

г	-			Later to D		···				
ļ	Missouri WBID#: 06	/ — \ <u></u>		Site Location Description:						
	Site GPS Coordinates: 39	1 73446; 92	2.50525	Southwest blvd at bridge crossing						
	Date & Time: 05)UU	2005; 11:2	28 am	Facility Name:	Marsh Laabor	1 Group				
	Personnel: DB (6)			Permit Number:	·)	, , , , , , , , , , , , , , , , , , ,				
Į	Current Weather Conditio	ns: Clear, Sun	ny	Weather Condition	ons for Past 7 days: HOT	rumid dry rainy				
- [Photo Ids: Upstream: 2		,	142 Other		, , , , , , , , ,				
Us	Uses Observed*: memory card A									
	☐ Swimming	☐ Skin diving	□ sc	UBA diving	☐ Tubing	☐ Water skiing				
	□ Wind surfing	☐ Kayaking	☐ Bo	ating	☐ Wading	☐ Rafting				
	☐ Hunting ☐ Trapping			hing	None of the above	☐ Other:				
	Describe: (include numbe	r of individuals rect	eating, frequ	ency of use, photo-o	locumentation of evidence	of recreational uses, etc.)				
	N/A									
		s*: (Mark all that p	romote or im	pede recreational us	es. Attach photos of evider	nce or unusual				
itei	ms of interest.)	<u> </u>			<u>-</u>	T				
	☐ City/county parks	☐ Playgrounds	☐ MDC co	nservation lands	☐ Urban areas	☐ Campgrounds				
	☐ Boating accesses	☐ State parks	☐ National	forests	☐ Nature trails	☐ Stairs/walkway				
	☐ No trespass sign	☐ Fence	☐ Steep slo	pes	Other:					
Ev	idence of Human Us	e*:								
	Roads	☐ Foot paths/prin	nts 🗆 🗆	ock/platform	☐ Livestock Watering	☐ RV / ATV Tracks				
	☐ Rope swings	☐ Camping Sites	DF	ire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle				
	☐ Other:									

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two –	Data She	et B for W	BID# 10683	2: (51te II	D-24 3))	
Stream Mo Upstrear	rphology: n View Ph	ysical Din	nensions:		_		
☐ Riffle	Width (ft)		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
☐ Run	Width (ft)	:	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
77 Pool	Width (fc)	: 12m	Length (fr): 2(Avg. Depth	#5: 0.7m	Max. Depth (ft):	0.9m
Z Flow	Present?	Yes	□ No	Estimated (f	1 ³ /sec): 15(wond/met	<u></u>
Downstr	eam View	Physical	Dimensions:				
☐ Riffle	Width (ft)):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Run	Width st	5:15 m	Length (ft): 2	Avg. Depth	(66:0.6m	Max. Depth (fz):	0.9m
□ Pool	Width (ft		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Flow	Present?)∑∕Yes	□ No	Estimated (f	1 ³ /sec): 5	eund/met	
Eubst-sta#	(T)		14 1000				
Substrate	% Cobble		dd up to 100%.) Gravel	% Sand 35	5 % Silt	% Mud/Clay	% Bedrock
Water Cha	aracteristi	CS*: (Mark	all that apply.)				
Odor:		□ Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:		□ Clear	Green	☐ Gray	☐ Milky	Other: WOV	VV)
Bottom 1	Deposit:	☐ Sludge	☐ Solids	Fine sediments	☐ None	☐ Other:	
Surface 1	Deposit:	□ Oil	☐ Scum	□ Foam	CKNone C	Other:	
*This inform comprehensidecision on the I, the under datasheet	ation is not to we understand he recreation ersigned, l is true an	to be used so ding of water use analysis hereby aff d accurate	lely for removal of a conditions. Conse s but may point to co	a recreational use design quently, this information anditions that need furth	nation but rather on is not intended ner analysis or th hat all inform	d to directly influence a nat effect another use. mation reported on	
Organization	on: 161	Ma Tu	Ch, INC.	Positio	n: <u>DCIEN</u>	1115[_
				Or Check	9 CC		





0682_263_DS



additional photos not included in this document

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID #: ()69	2 (SiteID-	264)	Site Locatio	Site Location Description: HWY 36 at bridge			
Site GPS Coordinates: 3	9.74930,9	2.518	33	crossing			
Date & Time: 05 July	12005; 1	1. 00a	M Facility Nan	Facility Name: Marsh Lagorn Group			
Personnel: DB. CG	· ,		Permit Num			Τ	
Current Weather Condition	as: Clear, Sur	าทป	Weather Co	nditio	ns for Past 7 days: Hot N	omid dry rainy	
Photo Ids: Upstream: 7	139 Down	istream:	2/41	Other:		1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1, 1	
Uses Observed*:			mem	ory	cardA		
☐ Swimming	☐ Swimming ☐ Skin diving ☐ SC			. /	☐ Tubing	☐ Water skiing	
☐ Wind surfing	☐ Kayaking		Boating	·	☐ Wading	☐ Rafting	
☐ Hunting	☐ Hunting ☐ Trapping ☐ H				None of the above	□ Other:	
Describe: (include number	Describe: (include number of individuals recreating, frequency of use, photo-documentation of evidence of recreational uses, etc.)						
N/A.							
					•		
·							
					••		
					<u></u>		
Surrounding Condition	S*: (Mark all that pi	romote or	impede recreation	nal us	es. Attach photos of evider	nce or unusual	
items of interest.)	г					,	
☐ City/county parks	☐ Playgrounds	☐ MDC	conservation land	is_	☐ Urban areas	☐ Campgrounds	
☐ Boating accesses	☐ State parks	☐ Natio	nal forests		□ Nature trails	☐ Stairs/walkway	
☐ No trespass sign	☐ Fence	☐ Steep	slopes		☐ Other:		
Evidence of Human Use	e*:						
Roads	☐ Foot paths/prin	ts C	Dock/platform		☐ Livestock Watering	☐ RV / ATV Tracks	
☐ Rope swings	☐ Camping Sites		Fire pit/ring		☐ NPDES Discharge	Fishing Tackle Z140	
☐ Other:							

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

^{*}Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Page Two - Data Sheet B for WBID # D682: (514 ID - 264)

Stream Mor Upstream		vsical Din	nensions:						
☐ Riffle	Width (ft)		Length (ft):		Avg. Depth	(ft):		Max. Depth (ft):	·· ·
□ Run	Width (ft)		Length (ft):		Avg. Depth	(ft):		Max. Depth (ft):	<u> </u>
∑ Pool	Width (ft)	15m	Length (ft):	20m	Avg. Depth	ati): E	.85m	Max. Depth (ft):	lm
Flow	Present?	∑(Yes	□ No		Estimated (fi	.3/sec):	5		
Downstre	eam View	<u> </u>	Dimensions:		4 Too d	Up t	o wad	e VISUAL	ESTIMAT
□ Riffle	Width (ft)	:	Length (ft):		Avg. Depth	(ft):		Max. Depth (ft):	<u> </u>
□ Run	Width (ft)	:	Length (ft):		Avg. Depth	(ft):		Max. Depth (ft):	
ĭ⊠(Pool	Width (fr)	: 16m	Length (ff):	20m	Avg. Depth	(ft): (·	0m	Max. Depth (ft):	13m
⊠ Flow	Present?	□ Yes	□ No		Estimated (fi		3		
		ues shouid a	add up to 100%.)						
	% Cobble		Gravel	40 % San	d 40) % Sil	20	% Mud/Clay	% Bedrock
Aquatic Ve	getation*:	(note amoi	ınt of vegetation	or algal grov	vth at the asse	ssment si	ite)	,	
1	/A								
Water Cha	racter <u>i</u> stic	S*: (Mark	all that apply.)					·	
Odor:		Sewage	☐ Musky	Ch	emical	□ None	e	☐ Other:	
Color:		Clear	□ Green	☐ Gr	ау	□ Milk	у	XOther: byow	nish-arce
Bottom D	eposit: [Sludge	☐ Solids	∑ ⊠ Fir	e sediments	□ None	<u> </u>	Other:	. ,
Surface D	eposit: [⊐ Oil	□ Scum	□ Fo	am	None	•	☐ Other:	
*This informa comprehensive decision on the	tion is not to e understand e recreation	be used so ling of wate use analysis	lely for removal r conditions. Co s but may point to	of a recreations equently, the conditions to	nal use design his information hat need furth	nation but n is not in er analys	rather is to stended to is or that e	ews) to this form o provide a more directly influence a ffect another use.	
datasheet is	s true and	accurate						-	
Signed:			16		Date:		1/0)	······································	
Organizatio	n: <u>IL</u>	ra Tu	ch, INC		Position	n: <u>5</u>	<u>cient</u>	ist	
				Q	c Check	(8 0	G		

0682_264_US



0682_264_DS



additional photos not included in this document

REVISIT

PROTESTED AND PROGRAM

Data Sheet A - Water Body Identification

	9/150
Water Body Na (from USGS 7.:	
8-digit HUC:	(0280203
Missouri WBID	1#: 0682
County:	Macon + Randolph
Upstream Legal	Description: NA
Downstream Le	egal Description: NA
Upstream Coord (UGS 84, ddd.d	dinates: dddd) 39.7487 92.51832
Downstream Co (UGS 84, ddd.d	pordinates:
Discharger Faci	lity Name(s): Norsh Lasson Goop
Discharger Perr	41 A- 0
Number of Site	
Name of Survey	or and Telephone Number: Shannon frendergest 703-385-6000
Organization:	TetraTech
Position:	Scientif
, the undersign latasheet is true	ed, hereby affirm to the best of my knowledge, that all information reported on this UAA and accurate.
igned:	Date: 7-10-05
	11.17. 1/6/s

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#:)682		Site Location	Site Location Description: 261 alt				
Site GPS Coordinates: 3	1.63754°N 92	,5291	7°W ON 6	ON R+T				
Date & Time: 7-10	11.4	3 an		Facility Name: March Lascon Grosp				
Personnel: SQ	YR		Permit Numb	er: NA 0	1			
Current Weather Condition		hel	Weather Cond	litions for Past 7 days: Sw	my hot			
^	33 Dow	nstrean	n: /32 Ot	her: 134-trushldi	bris			
Uses Observed*:	ald brid	lsc.		V				
☐ Swimming	☐ Skin diving		☐ SCUBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	ι	☐ Boating	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	C	☐ Fishing	None of the above	□ Other:			
Describe: (include numbe	r of individuals rec	reating,	frequency of use, pho	to-documentation of evidence	of recreational uses, etc.)			
Surrounding Conditions items of interest.)				l uses. Attach photos of evide	· · · · · · · · · · · · · · · · · · ·			
☐ City/county parks	☐ Playgrounds	□ МІ	OC conservation lands	☐ Urban areas	☐ Campgrounds			
☐ Boating accesses	☐ State parks	□ Na	tional forests	☐ Nature trails	☐ Stairs/walkway			
☐ No trespass sign	☐ Fence	Stc	cp slopes	Other: (co) and	Agriculture (44			
Evidence of Human Use	**	<u> </u>		are forest area	- Y3/4)			
Roads/oridge	☐ Foot paths/prin	nts	☐ Dock/platform	☐ Livestock Watering	□ RV / ATV Tracks			
☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	☐ NPDES Discharge	☐ Fishing Tackle			
Other: Debr	3/tad ins	Shee-						

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Stream Morpholo Upstream View	~*	#26(
□ Riffle Width		Length (ft):	Avg. Depth	(ft): 7-10-05	Max. Depth (ft):	
Run Width	1 (ft): 2E	Length (ft):	(ූරු Avg. Depth	213 ' ' '	Max. Depth (21):	() ~.
□ Pool Width	ı (ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft);	
Flow Preser	nt? ∑ (Yes	□ No	Estimated (ft/3 second	7
Downstream V	lew Physical	Dimancione:	7	-60-05	1	
□ Riffle Width		Length (ft):	Avg. Depth	(ft):	_ Max. Depth (ft):	10-05-
₩ Run Width	(ft): 25	Length (ft): 2		98 / 19:01-	Max. Depth (R):	10cm
□ Pool Width	(ft):	Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
N Flow Preser	nt? Yes	□ N ₀	Estimated (03/sec): 5 /	+/4sec	
			20 7 10 x	-10-05	7	
Substrate*: (These		Gravei S	% Sand	% Silt 2	% Mud/Clay	% Bedroc
·		7060	Mude		Hy on banks	
Water Characteri	stics*: (Mark	all that apply.)				
Odor:	☐ Sewage	☐ Musky	☐ Chemical	None None	☐ Other:	
Color:	☐ Clear	☑ Green/Lau	☐ Gray	Milky	Other:	
Bottom Deposit:	☐ Sludge	□ Solids	☐ Fine sediments	None	Other:	
Surface Deposit:	□ Oil	□ Seum	☐ Foam	None	☐ Other:	
'This information is no comprehensive underst lecision on the recreati	ot to be used sole anding of water ion use analysis	ely for removal of a conditions. Conse- but may point to co	recreational use desig quently, this information aditions that need furth	nation but rather on is not intended her analysis or th	I to directly influence a at effect another use.	hio TTA A
datasheet is true a			i my knowleage, i	nat all inforn	nation reported on t	ais UAA
Signed:	- Prom	dingas!	Date:_	7/10/05		_
Organization:	tra Tee	1	Positio	n: Sain	tit	_
ţ	/	IJJ. 46/65				

Page 19

Page Two – Data Sheet B for WBID #<u>ついる2</u>

September 29, 2004

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

	Missouri WBID#:	1862		Site Location Description: # 262			
	Site GPS Coordinates: 3c	y -	70503°W	on Jet Rd.			
	Date & Time: 7/10/0	1 12		Facility Name: Marsh Lagger Green			
	Personnel:	YR I		Permit Number:	Nt		
	Current Weather Condition	ons: Surry H.	лt	Weather Condition	ons for Past 7 days:	rry War	
	Photo Ids: Upstream:	1 1			: 138-tash(n	usdy airlans	
Use	es Observed*:	ish shown)	n upstree	in photo to	_	' 17	
[☐ Swimming	☐ Skin diving	□ sct	JBA diving	☐ Tubing	☐ Water skiing	
	☐ Wind surfing	☐ Kayaking	☐ Boa	ting	□ Wading	☐ Rafting	
	☐ Hunting		☐ Fish	ing	None of the above	Other:	
	Describe: (include numbe	r of individuals recr	eating, freque	ency of use, photo-	documentation of evidence	of recreational uses, etc.)	
)							
Į							
Sm	rounding Condition	s*• (Mark all that no	romote or im	ada ragragional uc	es. Attach photos of eviden	ice or united	
	s of interest.)	o . (Mark an mar pr	·	ede recreational us	es. Auzen photos of eviden	ice of unusual	
	☐ City/county parks	☐ Playgrounds	☐ MDC cor	servation lands	☐ Urban areas	☐ Campgrounds	
	☐ Boating accesses	☐ State parks	☐ National	forests	☐ Nature trails	☐ Stairs/walkway	
Ĺ	☐ No trespass sign	☐ Fence	☐ Steep slop	oes	WOther: Ascicalt	re (Cropland+	
Ti wi	dance of Human Use	*•			grazing), force	steel - 50% each	
EVI	vidence of Human Use*:			and data to the	☐ Livestock Watering	☐ RV / ATV Tracks	
-	□ Rope swings	☐ Foot paths/print		ock/platform		-	
-	rd as assume	☐ Camping Sites		re pit/ring	☐ NPDES Discharge	☐ Fishing Tackle	
L	La Other;	sh in sta	ea		·		

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

*Some of this information is not intended to directly influence a decision on any one particular recreational use analysis but may point to conditions that need further analysis or that effect another use.

Stream Morphology: **Upstream View Physical Dimensions:** Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): ☐ Riffle Max. Depth (ft): 2 Width (ft): Length (ft): /<7 Avg. Depth (ft): 🔽 Run ☐ Pool Width (ft): Length (ft): Avg. Depth (ft): Max, Depth (ft): Estimated (fairsec): Flow Present? □ No Downstream View Physical Dimensions: Length (ft): (2) Width (ft): Avg. Depth (R) Max. Depth (28) Width (ft): Avg. Depth (ft): Max. Depth (ft): Length (ft): ☐ Run Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): ☐ Pool Estimated (ft /sec): Flow Present? □ No Substrate*: (These values should add up to 100%.) % Cobble % Gravel % Sand % Silt % Mud/Clay % Bedrock Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site) Water Characteristics*: (Mark all that apply.) Odor: None ☐ Chemical ☐ Other: ☐ Sewage ■ Musky Color: Bown ☐ Milky 🛛 Other: □ Clear ☐ Green ☐ Gray Bottom Deposit: ☐ Sludge None Other: □ Solids ☐ Fine sediments Surface Deposit: None ☐ Other: □ Oil □ Foam ☐ Scum Comments: Please attach additional comments (including information from interviews) to this form. *This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. Organization:

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Page Two – Data Sheet B for WBID # 0682 :

September 29, 2004

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

Missouri WBID#:	1 00		Site Location Description: #263 = + Lunhar					
	1682		Site Boothon Dollar phone 4) and a					
Site GPS Coordinates: 3		<u>58525° W</u>						
Date & Time: 7-10-	05		Facility Name	I WISK LARBON 1	rouf			
Personnel: 5P VR	_		Permit Numbe	r: Λ/A- "	· · · · · · · · · · · · · · · · · · ·			
Current Weather Condition	ons: Summy ho	-	Weather Cond	litions for Past 7 days: Su	my hat			
Photo Ids: Upstream: 14	Dow	nstream: 13	9 01	her: NA				
-	<u>,</u> ,							
Uses Observed*:	1							
☐ Swimming	☐ Skin diving	□ sct	JBA diving	☐ Tubing	☐ Water skiing			
☐ Wind surfing	☐ Kayaking	□ Boa	ting	☐ Wading	☐ Rafting			
☐ Hunting	☐ Trapping	☐ Fish	ing	None of the above	☐ Other:			
Describe: (include numbe	r of individuals reci	reating, freque	ency of use, phot	to-documentation of evidence	of recreational uses, etc.)			
					į			
}								
Surrounding Condition	S*: (Mark all that p	romote or imp	ede recreational	uses. Attach photos of evider	nce or unusual			
items of interest.)	· · · · · · · · · · · · · · · · · · ·			 ,				
☐ City/county parks	☐ Playgrounds	□ MDC con	servation lands	☐ Urban areas	☐ Campgrounds			
☐ Boating accesses	☐ State parks	☐ National f	forests	☐ Nature trails	☐ Stairs/walkway			
☐ No trespass sign	☐ Fence	☐ Steep slop	pes Dother: Assistant					
D 11 ATT				,	,			
Evidence of Human Use	.**							
XI Roads bridge	☐ Foot paths/prints ☐		ock/platform	☐ Livestock Watering	□ RV / ATV Tracks			
☐ Rope swings	Camping Sites	□ Fi	re pit/ring	☐ NPDES Discharge	☐ Fishing Tackle			
☐ Other:								

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Twc - Data Sheet B for WBID # 🕬 🔎 Site 263 Stream Morphology: **Upstream View Physical Dimensions:** Length (ft): Width (ft): Avg, Depth (ft): Max. Depth (ft): ☐ Riffle Width (ft): Run Length (ft): Avg. Depth (ft): Max. Depth (ft): Width (ft): Length (ft): □ Pool Avg. Depth (ft): Max. Depth (ft): √ Yes Estimated (ft³/sec): 3<u>5ee</u> Flow Present? □ No **Downstream View Physical Dimensions:** Width (ft): ☐ Riffle Length (ft): Avg. Depth (ft): Max. Depth (ft): Max. Depth (ft): 25 Width (ft): Run Length (ft): Avg. Depth (ft): / () Width (ft): Length (ft): Avg. Depth (ft): Max. Depth (ft): □ Pool Yes Estimated (ft³/sec): II Flow □ No Present? Substrate*: (These values should add up to 100%.) % Cobble % Gravel % Sand % Mud/Clay % Silt % Bedrock Aquatic Vegetation*: (note amount of vegetation or algal growth at the assessment site) none: Water Characteristics*: (Mark all that apply.) Odor: ☐ Sewage ☐ Musky ☐ Chemical None None ☐ Other: Color: □ Clear ☐ Green DX Milkv[≤] Other: ☐ Gray Bottom Deposit: □ Sludge ☐ Fine sediments 🛕 None □ Solids ☐ Other: Surface Deposit: □ Oil ☐ Other: ☐ Scum ☐ Foam None Comments: Please attach additional comments (including information from interviews) to this form. *This information is not to be used solely for removal of a recreational use designation but rather is to provide a more comprehensive understanding of water conditions. Consequently, this information is not intended to directly influence a decision on the recreation use analysis but may point to conditions that need further analysis or that effect another use. I, the undersigned, hereby affirm to the best of my knowledge, that all information reported on this UAA datasheet is true and accurate. Signed: Position: Some tit Organization:

Page 19

September 29, 2004

Data Sheet B - Site Characterization

(A separate data sheet must be completed for each site)

				City I need	- T					
		682			Site Location Description: # 264					
	Site GPS Coordinates: 3	1.7487292.5	1832	. W						
	Date & Time: 7/10	1 - 1 3	₽ ~ ~	Facility N	ame:	March				
	Personnel: SO	IR_	•	Permit Nu	mber:	NA				
	Current Weather Condition	ons: Sunny, F	t	Weather C	onditio	ons for Past 7 days:	y het			
	Photo Ids: Upstream:		nstrea	ım: J44		142,143 extas	, ,			
Us	es Observed*:	36 1/10/		· · · · · ·		145,146 extras 2	downstrea_			
	☐ Swimming	☐ Skin diving		☐ SCUBA diving		☐ Tubing	☐ Water skiing			
	☐ Wind surfing	☐ Kayaking		☐ Boating		☐ Wading	☐ Rafting			
	☐ Hunting	☐ Trapping		☐ Fishing		None of the above	☐ Other:			
	Describe: (include numbe	er of individuals rec	reating	g, frequency of use,	hoto-c		of recreational uses, etc.)			
)	Site is at major highway/food cossing, effhat from the Lake through culvert channel is man made dist channel at six but soncrete further pstream right by the lake									
	rrounding Condition	S*: (Mark all that p	romot	e or impede recreation	onal us	es. Attach photos of evider	ice or unusual			
	☐ City/county parks	☐ Playgrounds	Ωм	IDC conscrvation lar	ıds	Urban areashigh	☐ Campgrounds			
	☐ Boating accesses	☐ State parks	□ N	ational forests		☐ Nature trails	☐ Stairs/wa!kway			
	□ No trespass sign □ Fence □ Steep slopes ▼ Other: Ag CZ I free CRACA =									
Ev	idence of Human Use	:*:				clawn	streamson			
	Roads Did De Foot paths/prints Do					☐ Livestock Watering	☐ RV / ATV Tracks			
	☐ Rope swings	☐ Camping Sites		☐ Fire pit/ring	e pit/ring ☐ NPDES Discharge		☐ Fishing Tackle			
	☐ Other:			· ·						
							,			

Site Locations Map(s): Attach a map of entire segment with assessment sites clearly labeled. Mark any other items that may be of interest. (Include photographs)

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Page Two - 1	Data She	et B for V	VBID# <u>(V</u> GS)	<u>) </u> :			
Stream Morj Upstream		ysical Dir	# DU mensions:	H			
□ Riffle	Width (ft):		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Kun Run	Width (ft):	25	Length (ft): 15	Avg. Depth	(ft): 50 4/0/05 (ft): 50 cm	Max. Depth (19): 46	3 c ~~~
□ Pool	Width (ft):		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	D-05"
Flow	Present?	▼ Yes	□ No	Estimated (13/sec): 5 f	+ / 8 sec.	
Downstrea	am View	/ \	Dimensions:	Ę	27/10/05	+ / 8 sec.	
□ Riffle	Width (ft):		Length (ft):	Avg. Depth	(ft):	Max. Depth (ft):	
Run	Width (ft):	25	Length (ft):	Avg. Depth	(ft): about 3	FL Max. Depth (ft): > 4	191/4
□ Pool	Width (ft):		Length (ft):	Avg. Depth	·	Max. Depth (ft):	٠,, رح
Flow	Present?	Yes	□ No	Estimated (f	i³/sec): [f+/sec	
quatic Vege			now upst	algal growth at the assu	essment site)		
Odor:		Sewage	☐ Musky	☐ Chemical	None	☐ Other:	
Color:		Clear	☐ Green	☐ Gray	Milky M	MK□Other: bown	
Bottom Dep	oosit:	Sludge	□ Solids	☐ Fine sediments	None	☐ Other:	
Surface Dep	oosit:	Oil	□ Seum	☐ Foam	None	☐ Other:	
This information on the recision on the r	on is not to inderstandi ecreation u igned, he rue and	be used sok ng of water se analysis reby affi	ely for removal of a conditions. Consect but may point to correct to the best o	recreational use design quently, this information	nation but rather is not intende ter analysis or the hat all information	d to directly influence a	is UAA
		- \ } [//			 	

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